

SUMMARY

The River Corridor Project consists of the following projects: 300 Area Liquid Effluent Facility (LEF) WBS 1.2.3.2, Project Baseline Summary (PBS) WM05; B-Plant, WBS 1.4.1, PBS TP01; 300 Area/Special Nuclear Materials, WBS 1.4.4, PBS TP04; Transition Project Management, WBS 1.4.6, PBS TP12; Accelerated Deactivation, WBS 1.4.8, PBS TP10; 324/327 Facility Transition, WBS 1.4.10, PBS TP08; and Hanford Surplus Facility Program (300 Area Revitalization), WBS 1.4.11, PBS TP14.

PBS WM05 is divided between WBS 1.2.3.1, Liquid Effluents (200 LEF) and WBS 1.2.3.2, 310 TEDF/340 Facility (300 LEF). The 310 TEDF/340 Facility work scope is now included in the River Corridor Project, whereas the Liquid Effluents (200 LEF) work scope has remained in Waste Management. For the purpose of performance analysis, PBS WM05 is reported in Waste Management, which has the majority of the work scope and funding incorporated in their baseline.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, and Cost/Schedule data contained herein is as of February 29, 2000. All other information is as of March 21, 2000.

Good progress was made toward closeout of the actions required by the B Plant transfer Memorandum of Agreement (MOA). All 18 filters in the #2 filter train were tested and passed. All prerequisite actions for the cracked exhaust duct testing are complete. However, the impact of the cracked exhaust duct may cause a delay to completion of the B Plant turnover MOA.

The Project Management Institute's Regional Project of the Year Award was presented to the 300 Area Fuel Supply Shutdown Waste Acid Treatment System (WATS) Resource Conservation and Recovery Act of 1976 (RCRA) Closure Project.

Progress continues toward Accelerated Deactivation of the 327 Facility. The removal of ~116 of ~300 sample cans from Dry Storage was completed. Additionally, a revision was submitted to the compacted low-level waste profile. This revision will result in a disposal savings by allowing waste previously shipped as Category 3 (\$49.16 per cubic foot), to be shipped as Category 1 (\$12.14 per cubic foot).

The 2A rack was successfully removed from the B Cell wall. This included High-Efficiency Particulate Air filter and Electrostatic Precipitator removal/replacement. Excellent progress is being made on size reduction of the rack. As of 3/23/00, nearly 80% of the rack had been reduced. Ninety percent of one tank within the rack has been removed and less than half of the other tank remains. Currently, four grout containers are filled with 2A Rack material.

The 324 Building team completed its first shipment since the fall of 1998 when grout container #136 was shipped to the 200 Area. This shipment closes out all waste characterization and packaging, and shipping issues that have confronted the 324 team for the past 1½ years.

The Accelerated Deactivation project is making good progress in planning for the disposition of approximately 1,865 metric tons (MT) of Hanford Unirradiated Uranium. Responses to public comments on the Environmental Assessment (EA) are being coordinated. Additionally, the Hanford Advisory Board was briefed on the intent to bury non-contaminated fuel at the Low-Level Burial Ground (LLBG), potentially saving in excess of \$1M over the original baseline. Final disposition of Unirradiated Uranium fuel elements to low-level waste burial grounds vs. packaging and transportation to Portsmouth, Ohio for interim storage provides the method to save in excess of \$1M over the current Project Management Plan cost baseline. If funded and regulatory concurrence is received, disposition of the Uranium fuel elements will occur in the last quarter of FY 2000. Another consideration for savings is to consolidate shipments of Uranium billets and Uranium Oxide powder, which will save approximately 40% (\$200K) of the planned transportation cost to Portsmouth, Ohio. If funding is identified to support this initiative, shipment of the material to Portsmouth will occur in the June/July 2000 time frame. Currently, Phase I activities to prepare uranium billets and UO₃ T-hoppers for shipment are continuing.

The Project Management Plan for the 300 Area Special Case Waste, HNF-5068, Revision 1, was received at RL. Finalization of this document completes two Tri-Party Agreement interim milestones, M-92-13, “*Submit 300 Area SCW Project Management Plan,*” and M-92-14, “*Project Management Plan for the 300 Area Special Case Waste.*”

A presentation introducing the National Facility Deactivation Initiative Decontamination & Decommissioning tools was made in the introductory session of a Washington State University-sponsored course on D&D. A more complete presentation on end points and the Planning, Optimizing, Waste Estimating, and Resourcing tool (POWERtool) will be provided during the course. Plans are to give the participants hands on experience with identifying end points and using the POWERtool through examples. A presentation will be made on characterization with examples of characterization activities that were not really needed, and to emphasize the message that it is necessary to scrutinize D&D activities to ensure that there is a driver for each activity being done. A National Facility Deactivation Initiative (NFDI) presentation will also be made during the concluding session.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that three of three milestones (100 percent) were completed on or ahead of schedule. The Milestone Achievement details, found following cost and schedule variance analysis, provide further information on all milestone types.

ACCOMPLISHMENTS

- 2A rack removed from B Cell wall. As of March 27, 2000 size reduction of the rack was 80% complete. The High-Efficiency Particulate Air Filter and Electrostatic Precipitator was removed/replaced with notification to the Washington State Department of Health on March 3, 2000.
- 324 completed first shipment since fall of 1998 when grout container #136 was shipped to the 200 Area.

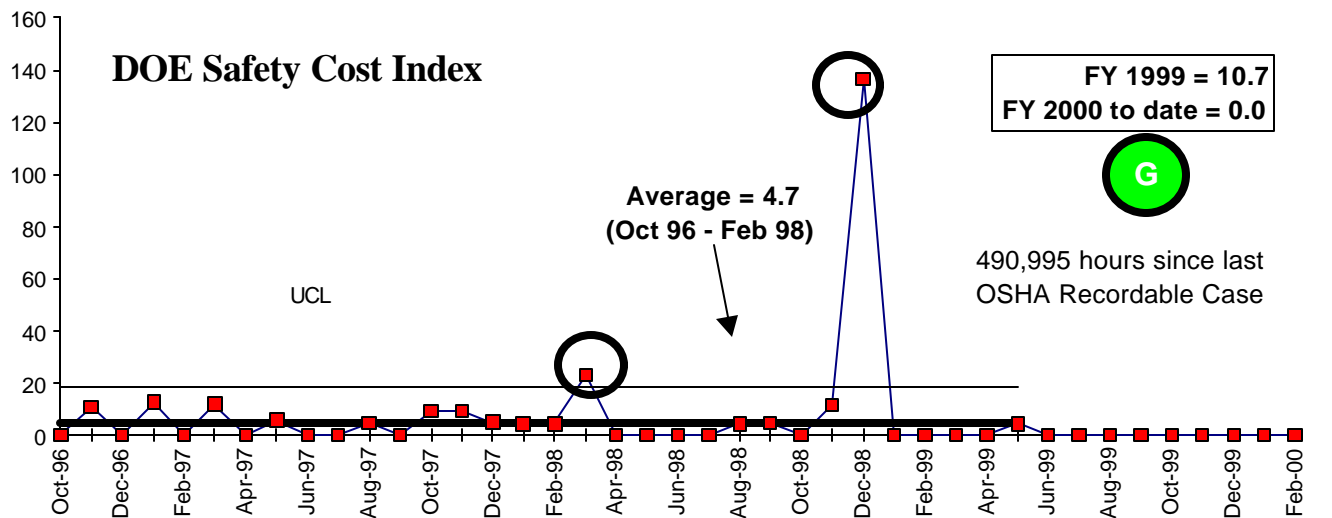
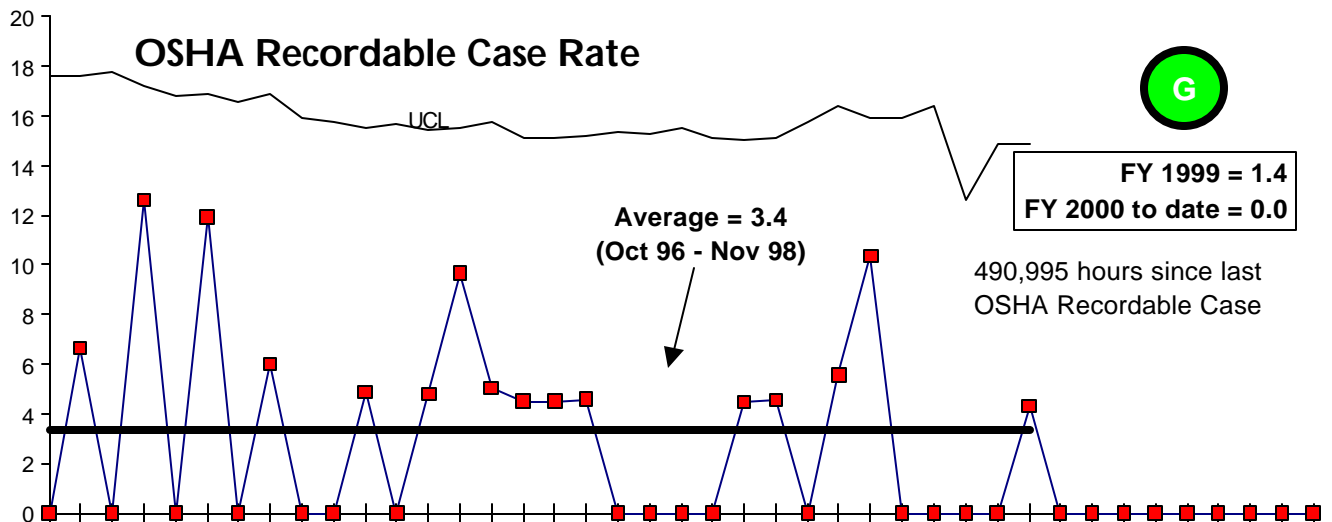
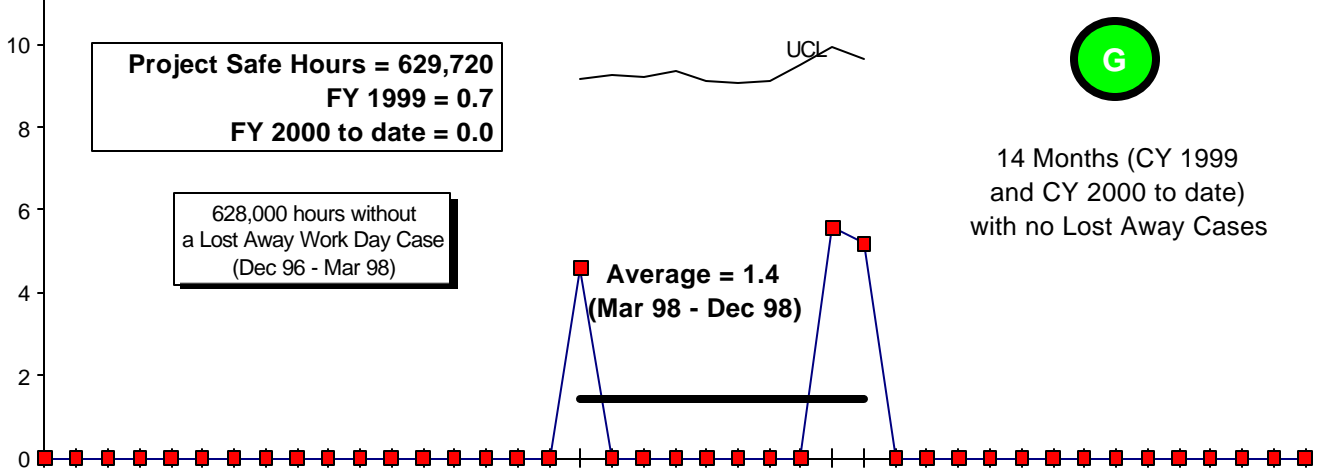
- Treatment of the first of two diversion storage tanks of water impacted by the citrate acid upset in the 310 Liquid Effluent Treatment Facility started as planned on March 15, 2000, without incident. The process is operating as expected and in compliance with permit conditions.
- Completed the removal of ~116 of ~300 sample cans from Dry Storage at 327 Building.
- Public comments on Uranium Disposition Environmental Assessment have been received and reviewed. There are no show stopper comments.
- U. S. Department of Energy - Headquarters, has received revision 1 of the Uranium billet disposition Safety Analysis Report for Packaging (SARP) for review and approval.
- RL Manager, K. A. Klein, approved the 300 Area Accelerated Closure Project Plan baseline change request (FSP-2000-024).
- The 300 Area Special Case Waste, HNF-5068, Project Management Plan, Revision 1 was transmitted to RL. Finalization of this document completes two Tri-Party Agreement interim milestones, M-92-13 and M-92-14.
- The 300 Area Fuel Supply Shutdown Waste Acid Treatment System (WATS) Resource Conservation and Recovery Act of 1976 (RCRA) Closure Project was selected as Project Management Institute's Regional Project of the Year award winner.

SAFETY

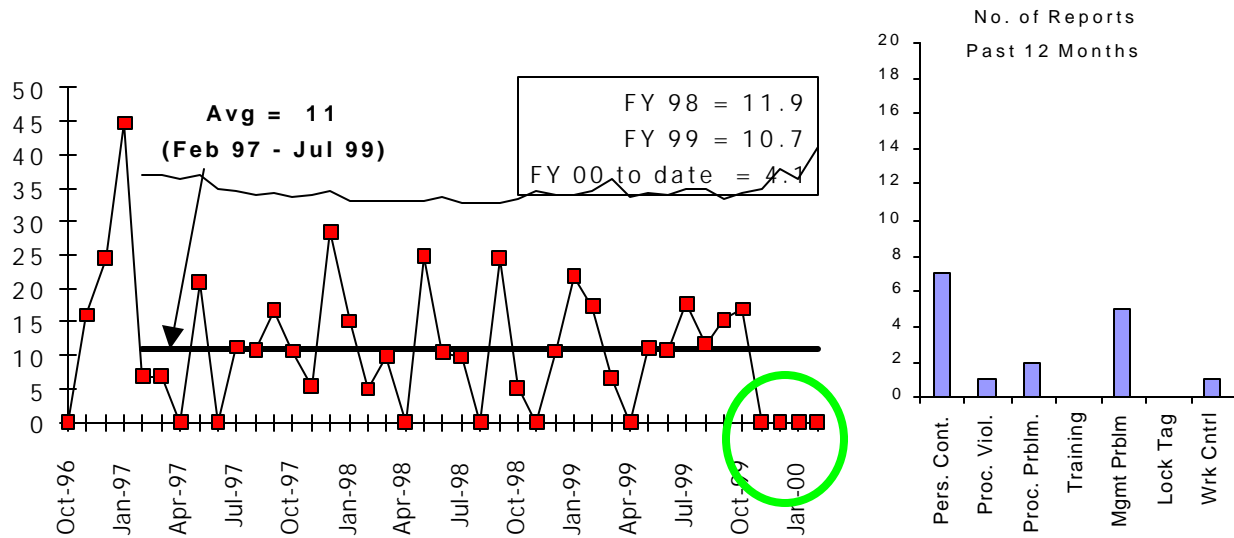
Significant Decreases in OSHA recordable case rate and in DOE Safety Cost Index have recently occurred. The project is approaching 500,000 hours without an OSHA recordable.

The project has an overall green rating - stable at good rates.

Lost Away Workday Case Rate



CONDUCT OF OPERATIONS / ISMS STATUS



Green

ISMS STATUS

- ISMS Internal Readiness Review (IRR) completed; closure plan in progress.
- Senior Management Review Board presentations completed.
 - Board's recommendation for readiness is targeted for 3/31/00.
 - No concerns identified.
 - 14 opportunities for improvement being worked.
- ISMS Verification targeted for May 2000.

Green

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

BREAKTHROUGHS

Green

- **Savings Through Alternative Disposition Strategy** - Final disposition of Unirradiated Uranium fuel elements to low-level waste burial grounds vs. packaging and transportation to Portsmouth, Ohio for interim storage will save in excess of \$1M over the current Project Management Plan cost baseline. If funded and regulatory concurrence is received disposition of the Uranium fuel elements will occur in the last quarter of FY 2000.
- **340 Efficiencies** - Efficiency initiatives have been identified to fund critical deactivation activities, i.e., Vault Tank 1 & 2 removal of residual heels (~3,000 gallons). If given timely approval (April 2000) to proceed via super stretch AWA/BCR, this effort will be completed by September 2000; a three year acceleration.

OPPORTUNITIES FOR IMPROVEMENT

- **324 Project Planning / Execution:** Despite recent success in schedule recovery, there is a need for continued emphasis on improved schedule management to ensure that critical path negative float is recovered to positive float. Current actions are directed at organization shift to projects and improving crane availability.
- **Consolidating Uranium Shipments** - Consolidating shipments of Uranium billets and Uranium Oxide powder will save approximately 40% (\$200K) off the planned transportation cost to Portsmouth, Ohio. If funding is identified to support this super stretch initiative, shipment of the material to Portsmouth will occur in the June/July 2000 time frame.

UPCOMING ACTIVITIES

- **B Plant Transfer to ERC ¾** Complete all closeout activities (ventilation system repairs) by March 2000.
- **340 Facility Deactivation ¾** Process baseline change request April 2000, and initiate vault tank cleanout of residual tank heels.
- **Multi-site Joint Committee Meeting ¾** Host DOE complex-wide National Facility Deactivation Initiative and Decommissioning & Decontamination Committee Meeting April 25 through 27, 2000.
- **Integrated Environmental, Safety & Health System (ISMS) ¾** Complete verification of Phase I & II readiness activities by May 15, 2000.
- **300 Area Accelerated Closure Project Plan ¾** Prepare and issue the 300 Area Accelerated Closure Project Plan, schedule and estimate June 30, 2000.
- **300 Area Waste Acid Treatment System (WATS) Resource Conservation and Recovery Act (RCRA) Closure Activities ¾** Final report is due to RL March 31, 2000. However, the review and comment cycle with Washington Department of Ecology (WDOE) is expected to delay report submittal until September 2000.
- **TPA Milestone M-89-02 ¾** Complete Removal of 324 Building Radiochemical Engineering Cell (REC) B Cell Mixed Waste (MW) and Equipment by November 2000.

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
River Corridor Project	\$20.7	\$20.9	- \$0.2

The \$0.2 million (1.0 percent) unfavorable cost variance is within the established threshold. Further information at the PBS level can be found in the following Cost Variance Analysis details.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
River Corridor Project	\$20.7	\$21.0	- \$0.4*

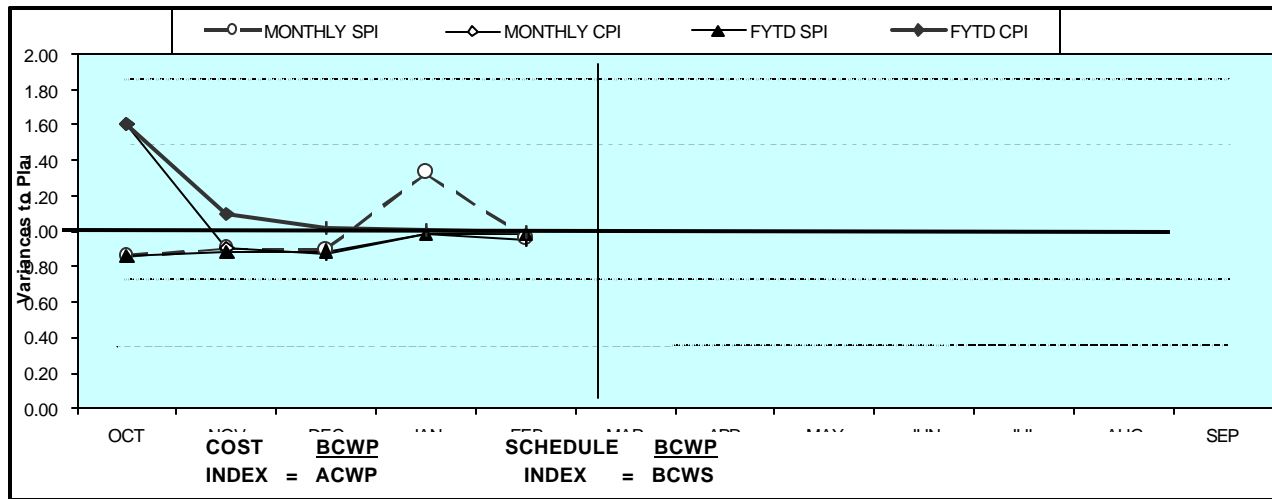
* Rounding

The \$0.4 million (2.0 percent) unfavorable schedule variance is within the established threshold. Further information at the PBS level can be found in the following Schedule Variance Analysis details.

WBS 1.4.1, 1.4.4, 1.4.6, 1.4.8, 1.4.10, 1.4.11 FY 2000 Cost/Schedule Performance – All Fund Types Cumulative to Date Status – (\$000)

		FYTD													
	By PBS	BCWS		BCWP		ACWP		SV	%	CV	%	PEM			
TP01	B-Plant	\$	-	\$	-	\$	314	\$	-	0%	\$	(314)	0%	\$	-
TP04	300 Area/ SNM	\$	1,036	\$	1,033	\$	1,063	\$	(3)	0%	\$	(30)	-3%	\$	2,686
TP12	Program Mgmt	\$	7,371	\$	7,415	\$	5,907	\$	44	1%	\$	1,508	20%	\$	19,408
TP10	Accelerated Deactivation	\$	934	\$	936	\$	828	\$	2	0%	\$	108	12%	\$	2,430
TP08	324/327 Bldg Deactivation	\$	11,408	\$	11,054	\$	12,549	\$	(354)	-3%	\$	(1,495)	-14%	\$	34,596
TP14	HSFP 300A Revitalization	\$	292	\$	235	\$	192	\$	(57)	-20%	\$	43	18%	\$	781
Total		\$	21,041	\$	20,674	\$	20,853	\$	(367)	-2%	\$	(179)	-1%	\$	59,902

COST / SCHEDULE PERFORMANCE INDICES (FEBRUARY 2000 AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.86	0.90	0.89	1.33	0.96							
MONTHLY CPI	1.60	0.90	0.87	0.98	0.95							
FYTD SPI	0.86	0.88	0.89	0.99	0.98							
FYTD CPI	1.60	1.10	1.01	1.00	0.99							
MONTHLY BCWS	\$3,652	\$5,162	\$4,092	\$3,858	\$4,277							
MONTHLY BCWP	\$3,134	\$4,650	\$3,647	\$5,124	\$4,119							
MONTHLY ACWP	\$1,954	\$5,141	\$4,195	\$5,206	\$4,357							
FYTD BCWS	\$3,652	\$8,814	\$12,906	\$16,764	\$21,041							
FYTD BCWP	\$3,134	\$7,784	\$11,431	\$16,555	\$20,674							
FYTD ACWP	\$1,954	\$7,095	\$11,290	\$16,496	\$20,853							

COST VARIANCE ANALYSIS: (-\$0.2)

WBS/PBS

Title

1.4.1/TP01

B Plant

Description and Cause: The unfavorable cost variance is due to unplanned costs associated with the ventilation filter change outs and ductwork repairs.

Impact: Deprives other projects of funding for current year priorities including accelerated deactivation activities.

Corrective Action: Work scope is being performed via an approved Advanced Work Authorization (AWA) while BCR FSP-00-008, which funds the B Plant action items, is dispositioned.

1.4.6/TP12

Transition Project Management

Description and Cause: The favorable cost variance is primarily due to the PHMC re-structuring which has mapped personnel from the sub-project to other sub-projects (i.e. Nuclear Material Stabilization), resulting in underruns in labor and contractor support. While the project is reporting a favorable cost variance, the actual status for River Corridor is an unfavorable cost variance of \$231K.

Impact: The current Fiscal Year Spend Forecast (FYSF) projects a \$1.2M unfavorable condition at fiscal year end for River Corridor.

Corrective Action: Re-planning of this account is underway to reflect the new structure, including the transfer of funds to other PHMC sub-projects where former Facility Stabilization personnel have been mapped. A BCR will be processed to document the split of the sub-project. If incremental funding is not identified RCP project impacts will be incurred.

1.4.10/TP08 324/327 Building Deactivation

Description and Cause: The unfavorable cost variance is primarily due to performance of unfunded accelerated 327 Building deactivation work scope via AWA (super stretch performance incentive). This is partially offset by efficiencies that are being realized in both the performance of MinSafe activities and deactivation scope.

Impact: None. Spending against AWAs is being closely monitored.

Corrective Action: Costs of work being performed via AWA will be measured against baseline performance once the applicable baseline change requests are approved.

1.4.8/TP10 Accelerated Deactivation

Description and Cause: The unfavorable cost variance is due to an incorrect accrual amount posted on the NFDI contract.

Impact: None.

Corrective Action: The incorrect accrual will be reversed and entered correctly in March.

1.4.11/TP14 HSFP 300 Area Revitalization

Description and Cause: The favorable cost variance is primarily due to less than planned costs in Min Safe surveillance and corrective maintenance activities.

Impact: None.

Corrective Action: Funds made available via underruns will be utilized toward achievement of accelerated deactivation activities.

All other PBS variances are within established thresholds.

SCHEDULE VARIANCE ANALYSIS: (-\$0.4)

WBS/PBS

Title

1.4.11/TP14 HSFP 300 Area Revitalization

Description and Cause: The unfavorable schedule variance is due to delays in performing the baseline estimate update activities. Changes in organization associated with the PHMC re-structuring have caused the delay as a result of personnel performing other planned work either within sub-project or other areas.

Impact: None.

Corrective Action: The estimate update may not be required due to the 300 Area Accelerated Closure Plan Project planned via BCR FSP-2000-024, which was approved in March.

All other PBS variances are within established thresholds.

ISSUES

TECHNICAL ISSUES

Issue: Shipping of ten grout containers filled with 1A Rack to be completed by May 2000. One has curie levels above limits allowed for shipment.

Impact: New Safety Analysis Report for Packaging (SARP) will be required for single high-curie container. RL Milestone TRP-99-907 currently states all 1A Rack grout containers are to be shipped by May 2000.

Corrective Action: Informal negotiations have begun between RL and FH to substitute another container from the B Cell. Baseline Change Request being drafted; no funding or schedule change required.

Issue: The 324 Building Fire Hazards Analysis (FHA) revision supporting the 324 Building Safety Analysis Report (SAR) update resulted in revised combustible load limits.

Impact: There is a potential adverse cost impact to work progress at the 324 Building.

Corrective Action: An implementation plan that allows work to continue while maintaining revised combustible load limits or invoking compensatory measures has been developed. Evaluation of alternative fire suppression capabilities to allow an increase in combustible load limits continues.

Issue: A crack was discovered on the new B Plant W-059 Duct Replacement.

Impact: Possible delay to completion of B Plant turnover Memorandum Of Agreement.

Corrective Action: All 18 filters in #2 filter train were tested and passed. All prerequisite actions for cracked exhaust duct testing are complete.

DOE/REGULATOR/EXTERNAL ISSUES

Issue: Approval by the U.S. Department of Energy – Headquarters (DOE-HQ) of the Unirradiated Uranium (UU) billet Safety Analysis Report for Packaging (SARP) is required by May 31, 2000. Performance Initiatives encourage the accelerated disposition of this material, however, review and approval time frames do not support attempts to accelerate shipments.

Impact: Failure to gain approval on or before May 31, 2000 will jeopardize the combined shipment of UU billets and T-Hoppers, thus losing the opportunity to save approximately \$200,000 in FY 2000. Performance Incentive RC3-SS Uranium Disposition will be impacted by the inability to ship billets and T-Hoppers in FY 2000.

Corrective Action: A revision to the SARP, which limits the amount of criticality analysis, may expedite the review process. Timely DOE-HQ review and approval of billet Safety Analysis Report for Packaging (SARP) is critical for disposition.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	FY00 COST IMPACT	SCH	TECH	DATE TO CCB	CCB APRVD	RL APRVD	CURRENT STATUS
FSP-00-002	11/2/99	Mark-42 Project Completion	\$295		X				Under revision
FSP-00-008	12/3/99	B Plant Action Items	\$358		X				Under revision
FSP-00-009	12/9/99	242/B/L Carryover Worksopce	\$36		X	03/09/00			BCR to be revised
FSP-00-013	1/11/00	PMP Rebaseline of 324/327 Facility Transition	\$2,620	X	X	01/19/00	01/19/00	02/24/00	
FSP-00-021	1/27/00	Administration Change to PBS #RL-TP14	\$92			02/07/00	02/14/00	N/A	In review cycle
FSP-00-022	1/31/00	327 Accelerated Deactivation	\$0						In review cycle
FSP-00-023	2/6/00	Suprt to 300 Area Accel. Cleanup and Redevelopment	\$520		X				In review cycle
FSP-00-024	2/14/00	300 Area Accelerated Closure Plan Development	\$2,170	X	X	03/07/00	03/07/00	03/09/00	
FSP-00-026	2/29/00	Increase in TRU Grout Containers	?		X				In Development
ADVANCE WORK AUTHORIZATIONS									
AWA	10/1/99	327 Stabilization/Deactivation Project	\$1,500	X	X			02/07/00	BCR #FSP-00-022
AWA	2/24/00	Uranium Disposition Project	\$50	X	X			03/02/00	BCR not yet started

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	1	0	0	0	0	0	0	1
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	1	0	0	0	3	1	5
Total Project	1	1	0	0	0	3	1	6

Tri-Party Agreement / EA Milestones
M-092-13 (TRP-00-902), “Submit 300 Area SCW Project Management Plan,” due 9/29/00 --- Completed 10 months early (11/30/99)
M-89-02 (TRP-99-901), “Complete Removal of 324 Building Radiochemical Engineering Cells (REC) B Cell Mixed Waste (MW) and Equipment,” due 11/30/00 --- The slip caused by A Cell crane failure has been recovered. The schedule was recovered by expediting A Cell crane repair procurement activities, putting the A Cell Crane back into limited service, and accelerating the in-cell shuttle box segregation from July.
DNFSB Commitments
Nothing to report.

MILESTONE EXCEPTION REPORT

OVERDUE – 0

FORECAST LATE – 1

TRP-99-301 RL Submit Final Report on WATS Closure 03/31/00 09/29/00
1.4.4 Activities to DOE-RL

Cause: This report must include information obtained after the WDOE approves the Hanford Site RCRA permit which also includes the WATS permit. WDOE approval is not expected until late spring, consequently delaying the final report submittal until September 2000.

Impact: No impact. Does not delay any fieldwork.

Corrective Action: None at this time.

PERFORMANCE OBJECTIVES

Outcome	Performance Indicator	Status
Restore the River Corridor for Multiple Uses	Accelerate 324/327 Deactivation	This initiative was initiated to measure the performance against the life cycle baseline for the 324/327 Buildings Shutdown Project. As of February month-end the life cycle SV and CV for the project was 0.0%. The critical path showed a 15-day positive float condition.
	Continue Acceleration of 324/327 Deactivation – Complete 327 Facility accelerated deactivation activities by September 2000.	Good progress is being made in cleanout and packaging of legacy waste. However, lack of confirmed funding for this effort jeopardizes completion of these activities (via approved AWA). The 327 Facility has developed a plan to reduce MinSafe costs to cover a portion of this work scope while efforts to identify remaining funds continue.
	Disposition Uranium Complete disposition of ~1865 Metric Tons (MT) of Hanford Uranium by September 2000,	Coordinating response to public comments on Environmental Assessment (EA). Developed position paper on disposal of fuel elements in Low Level Burial Ground (LLBG). Briefed HAB on intent to bury non-contaminated fuel at LLBG. (Potentially saves \$1M over original baseline.) Continuing with Phase I activities to prepare uranium billets, UO3 T-hoppers for shipment. Will need additional funds in May to initiate Phase II and III or will not be able to complete this work activity this year. Baseline change requests being prepared.
Multiple	Comprehensive performance	All baseline work projected to be complete per PI requirements.

KEY INTEGRATION ACTIVITIES

- Complete National Facility Deactivation Initiative (NFDI) DOE-complex implementation plan.
- 324 Building B Cell project along with Spent Nuclear Fuel (SNF) developed an alternative plan for the fuel removal activity. SNF and DOE-RL are reviewing the options study to determine cost savings against the 200 Area Interim Storage life cycle costs.
- The DOE-HQ funded study of HLV Tank 105, located in the 324 Building is being conducted by AEA Technologies to demonstrate new technology in the deactivation of high dose radioactive tanks. The project technical plan, and implementation plan is completed while the draft of the alternatives assessment is on schedule for completion by April 2000.
- DOE-RL, Fluor Hanford, Inc., Bechtel Hanford, Inc. and Pacific Northwest National Laboratory participated in a 300 Area Accelerated Closure Plan briefing. The BCR was formally approved the week of March 20, 2000.
- NFDI is preparing to host multi-site joint National Facility Deactivation Initiative and Decommissioning & Decontamination National Committee Meeting April 25 through 27, 2000.